

Claim 3. (original): A compound according to claim 1 which is de(3'-N-methyl)-3'-N-sulfonyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 4. (original): A compound according to claim 1 which is de(3'-N-methyl)-[3'-N-(3-hydroxy-1-propyl)]-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 5. (original): A compound according to claim 1 which is de(3'-N-methyl)-3'-N-(2-acetoxyethyl)-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 6. (original): A compound according to claim 1 which is de(3'-N-methyl)-3'-N-cyanomethyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 7. (original): A compound according to claim 1 which is de(3'-N-methyl)-3'-N-(2-fluoroethyl)-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 8, 9 and 10. (canceled without prejudice).

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Claim 11. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3'-N-allyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 12. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3', 3'-N, N-diallyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 13. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3'-N-propargyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 14. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3', 3'-N, N-dipropargyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 15 and 16. (canceled without prejudice).

Claim 17. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3'-N-hexyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 18. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3', 3'-N, N-dihexyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 19. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3'-N-benzyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 20. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3', 3'-N, N-dibenzyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

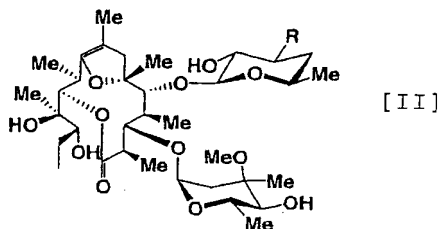
Claim 21. (canceled)

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Claim 22. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3', 3'-N, N-di-(10-bromo-1-decanyl)-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 23. (original): A compound according to claim 1 which is bis-de(3'-N-methyl)-3'-N-acetyl-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 24, 25, and 26. (canceled without prejudice).

Claim 27. (original): A ~~newel~~ pseudoerythromycin derivative represented by the ~~general~~ formula [II],



wherein ~~wherein~~ R is a heterocyclic group containing N ~~which may optionally have substituents~~, and Me indicates methyl.

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Claim 28. (original): A compound according to claim 27 which is de(3'-dimethylamino)-3'-piperidino-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 29. (original): A compound according to claim 27 which is de(3'-dimethylamino)-3'-pyrrolidino-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 30. (original): A compound according to claim 27 which is de(3'-dimethylamino)-3'-morpholino-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

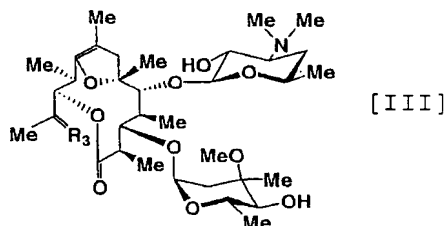
Claim 31. (original): A compound according to claim 27 which is de(3'-dimethylamino)-3'-[hexahydro-1(1H)-azepinyl]-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 32. (original): The derivative according to claim 27 wherein the compound represented by the general formula [II] has promoting action for differentiation-induction from monocyte to macrophage.

Claim 33. (original): The derivative according to claim 27 wherein the compound represented by the general formula [II] has a suppressive effect against bleomycin-induced pulmonary fibrosis.

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Claim 34. (original): The derivative according to claim 27 wherein the compound represented by the general formula [II] has suppressive effect against pneumonia caused by influenza viral infection.

Claim 35. (original): A ~~new~~ pseudoerythromycin derivative represented by the ~~general~~ formula [III],

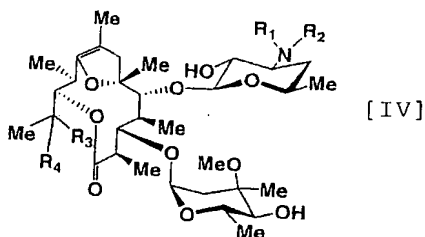


wherein R₃ is ~~O~~-~~or~~ NOH, and Me indicates methyl.

Claim 36. (original): A compound according to claim 35 which is de(12-hydroxy)-de[12-(1-hydroxypropyl)]-12-hydroxyoxime-8,9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 37, 38 and 39. (canceled without prejudice).

Claim 40. (original): A ~~new~~ pseudoerythromycin derivative represented by the ~~general~~ formula [IV],



wherein R₁ and R₂ are same or different and each represents H or methyl, R₃ and R₄ represent H, hydroxyl or amino, and Me indicates methyl.

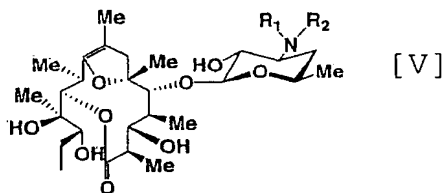
Claim 41. (original): A compound according to claim 40 which is de[12-(1-hydroxypropyl)]-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 42. (original): A compound according to claim 40 which is de(12-hydroxy)-de[12-(1-hydroxypropyl)]-12-amino-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 43. (original): A compound according to claim 40 which is de(3'-N-methyl)-de [12-(1-hydroxypropyl)]-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 44, 45 and 46 (canceled without prejudice).

Claim 47. (original): A ~~new~~ pseudoerythromycin derivative represented by the ~~general~~ formula [V],



wherein R_1 and R_2 are same or different and each represents H or methyl, and Me indicates methyl.

Claim 48. (original): A compound according to claim 47 which is de(3-O-cladinosyl)-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claim 49. (original): A compound according to claim 47 which is de(3-O-cladinosyl)-de(3'-N-methyl)-8, 9-anhydro-pseudoerythromycin A 6, 9-hemiketal or salt thereof.

Claims 50, 51 and 52 (canceled without prejudice).

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Claim 53. (new): The pseudoerythromycin derivative according to claim 27, wherein said heterocyclic containing N is a ring having 4 to 6 carbon atoms with a N bound within said ring.
